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ABSTRACT

This document reviews the literature in the collections of the Library of Congress on electric vehicles. Not intended as a comprehensive bibliography, this guide is designed as the title implies, to put the reader "on target." This is of greatest utility to the beginning student of the topic. (AA)

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ELECTRIC VEHICLES

Compiled by John F. Buydos

TB 92-3 **June 1992**

SCOPE: This update of TB 80-8 reviews the literature in the collections of the Library of Congress on electric vehicles. Not intended as a comprehensive bibliography, this guide is designed--as the name of the series implies--to put the reader "on target."

INTRODUCTIONS

Electric vehicles. Silver Spring, Md., Conservation and Renewable Energy Inquiry and Referral Service, 1990. 10 p. (DOE/CE-0289P) Pamphlet box <SciRR>

Why wait for Detroit? drive an electric car today. Articles on electric cars by Bob Batson and others. Edited by S. McCrea and R. Minner. 2nd ed. Ft. Lauderdale, Fla., South Florida Electric Auto Association, c1992. 159 p.
Bibliography: p. 154-155. TL220.W5 1992 <SciRR>

SUBJECT HEADINGS used by the Library of Congress, under which books on electric vehicles can be located in most card, book, and online catalogs, include the following:

ELECTRIC VEHICLES (Highly relevant)
AUTOMOBILES, ELECTRIC (Relevant)
ELECTRIC BATTERIES (Relevant)
ELECTRIC VEHICLE INDUSTRY (Relevant)
BUSES, ELECTRIC (Related)
ELECTRIC MOTORS (Related)
ELECTRIC RAILROADS (Related)
EXPERIMENTAL AUTOMOBILES (Related)
INDUSTRIAL ELECTRIC TRUCKS (Related)
STREET-RAILROADS (Related)
TROLLEY BUSES (Related)
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MOTOR VEHICLES (More general)

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BASIC TEXTS

Battelec. *Battery road vehicles: an outline history and development*. Sherborne, Dorset, Eng., Battery Vehicle Society, 1977. 29 p. TL220.B37
Bibliography: p. 27.

Electric vehicles: a decade of transition: selected papers through 1990. Edited by Bradford Bates, prepared under the auspices of the SAE Electric Vehicle Committee, Passenger Car Activity. Warrendale, Pa., Society of Automotive Engineers, c1992. 357 p. (PT-40) TL220.E447 1992
Includes bibliographical references.

Miller, Richard K. *Survey on electric vehicles*. Madison, Ga., Future Technology Surveys, c1988. 27 p. (Survey report, no. 33) HD9710.A2M55 1988
Includes bibliographical references.

Terpstra, Philip. *1992 electric vehicle directory*. 4th ed. Tucson, Ariz., Spirit Publications, c1991. 79 p. IN PROCESS

ADDITIONAL TITLES

Kyle, Chester R. *Racing with the sun: the 1990 World Solar Challenge*. Warrendale, Pa., Society of Automotive Engineers, c1991. 166 p. TL220.K96 1991
Published with the cooperation of Energy Promotions, Australia, and Department of Energy, United States of America.
Includes bibliographical references.

MacKenzie, James J., and Michael P. Walsh. Driving forces: motor vehicle trends and their implications for global warming, energy strategies and transportation planning. Washington, World Resources Institute, 1990. 50 p. Not yet in LC

Nesbitt, Kevin, Daniel Sperling, and Mark DeLuchi. Initial assessment of roadway-powered electric vehicles. In *Global warming: transportation and energy considerations, 1990*. Washington, Transportation Research Board, National Research Council, 1990. (Transportation research record, no. 1267) p. 41-55.
Includes bibliographical references. TE7.H5 no. 1267

Perrin, Noel. *Fifty miles at a clip: life with an electric car*. New York, Norton, 1992. TL220.P38 1992

Power sources for electric vehicles. Edited by B. D. McNicol, and D. A. J. Rand. Amsterdam, New York, Elsevier, 1984. 1066 p. (Studies in electrical and electronic engineering, 11) TL220.P69 1984
Includes bibliographical references

Unnewehr, L. E., and S. A. Nasar. *Electric vehicle technology*. New York, Wiley, c1982. 256 p. TL220.U57 1982 <SciRR>
Includes bibliographical references.

Woods, Clinton Edgar. *The electric automobile*. Chicago, New York, H. S. Stone, 1900. 177 p. Microfilm 88/5721 (T) <MicRR> and TL220.W8 1900

SPECIALIZED TITLES

Battery technology handbook. Edited by H. A. Kiehne. New York, M. Dekker, c1989. 519 p. (Electrical engineering and electronics, no. 60) TK2901.B393 1989
Bibliography: p. 507-516.

Crompton, T. R. *Battery reference book*. London, Boston, Butterworths, 1990. 1 v. (various pagings) TK2901.C75 1990 <SciRR>
Includes bibliographical references.

Handbook of batteries and fuel cells. David Linden, editor in chief. New York, McGraw-Hill, c1984. 1 v. (various pagings) TK2901.H36 1984 <SciRR>
Includes bibliographical references.

Hills, Stanley Moncoeur. *Battery-electric vehicles*. London, G. Newnes limited, 1943. 232 p. TL220.H5

Mantell, C. L. *Batteries and energy systems*. New York, McGraw-Hill, c1983. 319 p.
Includes bibliographical references. TK2901.M36 1983 <SciRR>

Modern batteries: an introduction to electrochemical power sources. Colin A. Vincent and others. London, Baltimore, E. Arnold, 1984. 264 p.
Bibliography: p. 245-248. TK2901.M56 1984 <SciRR>

CONFERENCE PROCEEDINGS

Electric and hybrid vehicle technology. Warrendale, Pa., Society of Automotive Engineers, c1992. 91 p. (SP-915) TL220.E356 1992
Papers presented at the International Congress & Exposition, Detroit, Michigan, February 24-28, 1992.
Includes bibliographical references.

Electric vehicle design and development. Warrendale, Pa., Society of Automotive Engineers, c1991. 116 p. (SP-862) TL220.E42 1991
International Congress and Exposition, Detroit, Michigan, Feb. 25-Mar. 1, 1991.
Includes bibliographical references.

Electric vehicle R & D. Warrendale, Pa., Society of Automotive Engineers, c1991. 69 p. (SP-880) (SAE/SP-91/880) TL220.E438 1991
Papers presented at the Passenger Car Meeting & Exposition, Nashville, Tennessee, September 16-19, 1991.
Includes bibliographical references.

Electric vehicle technology. Warrendale, Pa., Society of Automotive Engineers, c1990. 120 p. (SP-817) TL220.E44 1990
International Congress and Exposition, Detroit, Michigan, Feb. 26-Mar. 2, 1990.
Includes bibliographical references.

Future Transportation Technology Conference and Exposition, Vancouver, B.C., 1989. *Recent advances in electric vehicle technology*. Warrendale, Pa., Society of Automotive Engineers, 1989. 128 p. (SP-793) MLCM 91/12851 (T)
Future Transportation Technology Conference and Exposition, Vancouver, B.C., Canada, August 7-10, 1989.
Includes bibliographical references.

GOVERNMENT PUBLICATIONS

Electric and hybrid vehicles program. 15th annual report to Congress for fiscal year 1991. Washington, U.S. Dept. of Energy, Office of Vehicle and Engine Research and Development; Springfield, Va., Available from National Technical Information Service, 1991. 52 p. (DOE/CE-0357P) TL220.U47a 15th, 1991

United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Toxic Substances, Environmental Oversight, Research and Development. *Electric and Hybrid vehicle technoloiges: hearing ... One Hundredth Congress, second session. June 11, 1991*. Washington, U.S. Govt. Print. Off., 1991. 56 p. (Senate hearing, 102-153) KF26.E65 1991 <LAW>
Includes bibliographical references.

TECHNICAL REPORTS and other types of literature are indexed in the following guides:

Government Reports Announcements & Index (1946-) Z7916.G78 <SciRR A&I>
NTIS CD-ROM <SciRR>

See: Electric Automobiles
Electric Batteries
Electric Vehicles

Monthly Catalog of United States Government Publications (1895-)
Z1233.A18 <SciRR A&I>

See: Electric Vehicles
Electric Batteries

The following technical reports are among those available in the microform collection of the Science Reading Room. They may also be purchased from the National Technical Information Service, Springfield, Virginia 22161.

DeLuca, W. H., and others. *Performance evaluation of advanced battery technologies for electric vehicles applications*. Argonne, Ill., Electrochemical Technology Program, Argonne National Laboratory, 1990. 7 p. CONF-900801--21 <SciRR>

Murrell, J. D., and others. *Overview of photovoltaic and battery applications. Technical report.* Ann Arbor, Mich., Control Technology and Applications Branch, Environmental Protection Agency, 1989. 14 p. (EPA/AA/CTAB/89-07)
PB90-120536 <SciRR>

Nelson, Paul A. *Advanced batteries for electric vehicles.* Argonne, Ill., Chemical Technology Division, Argonne National Laboratory, 1989. 19 p.
CONF-890315--1 <SciRR>

Patil, P. G., and others. *Electric vehicle battery R&D in the context of a propulsion system.* Argonne, Ill., Chemical Technology Division, Argonne National Laboratory, 1989. 7 p. CONF-890240--6 <SciRR>

BIBLIOGRAPHIES

Appelt, Suzanne. *Electric vehicles; a bibliography, 1928-1966.* Portland, Ore., Bonneville Power Administration, 1966. 119 p. Pamphlet box <SciRR>
Supplement No. 1, 1966-68, in Pamphlet box <SciRR>

Maximena, Delores E. *Electric vehicles: 1890-1966.* Edited by Emily R. Mobley. Warren, Mich., Library, General Motors Research Laboratories, 1977. 140 p. (GMR-2425) (System on automotive safety information, SASI 77-521)
Pamphlet box <SciRR>

Mobley, Emily R. *Bibliography on electric vehicles, 1967-1976.* Warren, Mich., Library, General Motors Research Laboratories, 1977. 202 p. (GMR-2424) (System on automotive safety information, SASI 77-401) Pamphlet box <SciRR>

Electric vehicles: cumulative index of EVC Symposia papers: 1969-1980. Washington, Electric Vehicle Council, 1980. 127 p. (EVC-80-04) Pamphlet box <SciRR>

ABSTRACTING AND INDEXING SERVICES which index relevant journal articles and other literature are listed below. Note: Consult reference librarian for location of abstracting and indexing services in the Science Reading Room.

Annual Index/Abstracts of SAE Technical Papers (1984-) TL1.S473 <SciRR>
See: Batteries
Electric Drives
Electric Vehicles
Electric Vehicles Safety
Hybrid Vehicles

Applied Science & Technology Index (1913-)
Z7913.I7 <SciRR A&I> and <SciRR CD-ROM>
See: Electric Automobiles
Electric Batteries
Electric Vehicles
Experimental Automobiles

Current Technology Index (1962-) Z7913.B7 <SciRR A&I>
See: Motor Vehicles, Electric

Electrical & Electronics Abstracts (Science Abstracts -- Series B) (1898-)
Z5833.E7 <SciRR A&I> and <SciRR CD-ROM>
See: Electric Drives
Electric Locomotives
Electric Propulsion
Electric Vehicles

Energy Abstracts for Policy Analysis (1974-89) TJ163.E45 <SciRR A&I>
See: Electric-Powered Vehicles

Energy Information Abstracts Annual (1976-) TJ163.2.E4822 <SciRR A&I>
See: Electric Automobiles
Electric Vehicles
Transportation Consumption (Review Category 19)

Energy Research Abstracts (1976-) Z5853.P83U544b <SciRR A&I>
See: Electric Batteries
Electric-Powered Vehicles

Engineering Index (1884-) Z5851.E62 <SciRR A&I> and <SciRR CD-ROM>
See: Automobiles--Electric
Electric Batteries
Storage Battery Vehicles

General Science Index (1978-) Z7401.G46 <SciRR A&I>
See: Automobiles, Electric
Electric Batteries

Highway Research Information (1968-) TE1.N469a <Best set at DOT library>
See: Electric Vehicles
Energy and Environment, Section 17
Vehicle Characteristics, Section 53

Magazine Index (1980-) Available in several formats in LC
See: Automobiles, Electric
Electric Batteries
Electric Vehicle Industry
Electric Vehicles

Motor Industry Research Association. *MIRA Automobile Abstracts* (1972-)
TL1.M92452 <SciRR A&I>
See: Engine Design, Performance and Economy
Vehicle Design and Performance

National Research Council. Transportation Research Board. *Publication Index* (1955-)
Z7295.N325 Best set at DOT library

See: Electric Vehicles
Energy and Environment, Section 17
Vehicle Characteristics, Section 53

Readers' Guide to Periodical Literature (1900-) AI3.R48 <Business and Economics>
See: Automobiles, Electric
Automobiles, Experimental
Electric Vehicles

Transportation Energy Research (1986-) Available from NTIS
See: Electric and Hybrid Vehicles

JOURNALS that often contain articles relevant to electric vehicles include:

Advanced Vehicle News TL220.E43
Automotive News Microfilm 01751 <MicRR> and TL1.A865
Batteries Today <N&CPR>Current Issues Only
Battery & EV Technology <N&CPR>Current Issues Only
Electric Vehicle Progress <N&CPR>Current Issues Only
Journal of Power Sources TJ163.2.J69
New Fuels Report <N&CPR>Current Issues Only

REPRESENTATIVE JOURNAL ARTICLES

Demmler, Al. Electric vehicles. *Automotive engineering*, v. 99, Oct. 1991: 49. TL1.S5

Desmond, Kevin. Electric vehicles: quietly making progress. *IEE review*, v. 37, Apr. 18, 1991: 145-147. TK1.I412

Edwards, D. B., and B. Carter. A high power, sealed, lead-acid battery for electric vehicles. *Journal of engineering for industry*, v. 112, Aug, 1990: 293-298. TA1.J634

Electric cars draw power from roadway. *Design news*, v. 46, Oct. 1, 1990: 41-42. TA175.D4

Kinnan, Joen Pritchard. All charged up with some place to go. *Traffic safety*, v. 92, Jan./Feb. 1992: 22-24. HV675.A1P85

Murray, Charles J. Battery aims to solve electric vehicle woes. *Design news*, v. 47, Nov. 4, 1991: 24. TA175.D4

New batteries coming; none uses lead. *Modern metals*, v. 46, July 1990: 8, 102. TS200.M63

Siuru, Bill. Dual-power autos take the wheel. *Mechanical engineering*, v. 112, Aug. 1990: 40-44. TJ1.A72

SELECTED MATERIALS available in the Science Reading Room pamphlet boxes include:

Appleyard, M. Electric vehicle drive systems. *Journal of power sources*, v. 37, Jan. 1992: 189-200.

Riezenman, Michael J. Electric vehicles. *IEEE spectrum*, v. 29, Nov. 1992: 18-21.

The Electric turbine. *Electric Auto Association current events*, v. 24, Apr./May 1992: 1, 2, 14.

Fischetti, Mark. Here comes the electric car--it's sporty, aggressive and clean. *Smithsonian*, v. 23, Apr. 1992: 34-43.

Freedman, David H. Batteries included. *Discover*, v. 13, Mar. 1992: 90-98.

Market analysis. *Battery & EV technology*, v. 15, Feb. 1992: 3-8.

Patil, Pandit G. US Department of Energy fuel cell program for transportation applications. *Journal of power sources*, v. 37, Jan. 1992: 171-179.

The Status of electric vehicles. *Electric vehicle progress*, v. 14, Feb. 15, 1992: 5-7.

U.S. DOT calls for comments on EV safety issues. *Electric vehicle progress*, v. 14, Feb. 1, 1992: 1-3.

ADDITIONAL SOURCES OF INFORMATION

Electric Auto Association
1249 Lane St.
Belmont, CA 94002
Telephone: (415) 591-6698
(800) 537-2882

U.S. Department of Transportation Library
400 Seventh St., SW
Washington, DC 20590
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Electric and Hybrid Propulsion Division
Department of Energy
1000 Independence Ave., SW
Washington, DC 20585
Telephone: (202) 586-2198

Electric Power Research Insitute
207 Coggins Drive
Pleasant Hill, California 94523
Telephone: (510) 934-4212

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